

Q.P.CODE: M1028030**Dr YSR UNIVERSITY OF HEALTH SCIENCES: VIJAYAWADA- 520008****MBBS DEGREE EXAMINATION - JANUARY, 2024****SECOND M.B.B.S. EXAMINATION****MICROBIOLOGY PAPER-I (Theory Questions)****Time: 2 Hour 40 Minutes****Max Marks: 80****Note: Answer all questions.****Draw a neat diagram wherever necessary**

SECTION-II (THEORY QUESTIONS – 80 MARKS)**WRITE ESSAY ON THE FOLLOWING:****2 X15 = 30**

1. Define hyper sensitivity reaction. Classify hyper sensitivity reactions. Describe in detail about immune complex diseases (Type-III), delayed hyper sensitivity (Type-IV) and add a note on SHWARTZMAN reaction (1+3+4+5+2)
2. A young female from a slum area presents with complaints of abrupt onset of high fever, headache, muscle pains, joint pains and epistaxis. Lymphadenopathy and rash on chest were found on physical examination. Blood cell count revealed thrombocytopenia.
 - a. What is your diagnosis
 - b. What is the etiological agent
 - c. Describe the pathogenesis, clinical manifestations of disease
 - d. Write about laboratory diagnosis

WRITE SHORT NOTES ON THE FOLLOWING:**10x5=50**

3. Anti-microbial resistance
4. Chemical disinfectants
5. Diarrheagenic Escherichia coli

5. Helicobacter pylori infections

6. Amoebic liver abscess

7. A patient attended OPD clinic and complaining 3 episodes of vomiting after taking meal. Vomiting contains food particles without presence of blood. On history she had abdominal pain in the last one week and also episodes of vomiting. No history of fever. In blood investigations HBsAg is positive. How do you proceed with the laboratory investigations for hepatitis B viral infection.

8. Gas gangrene

9. Laboratory diagnosis of leprosy

10. Actinomycosis

11. Empathy towards patients
